

## **6. ENGINEERING SYSTEMS REQUIREMENTS**

### **C30 INTERIOR FINISHES**

#### **SYSTEM DESCRIPTION**

Interior finishes include wall finishes, floor finishes, wall base finishes, and ceiling finishes. Refer to the PTS in Part 4 of this RFP for further requirements.

Provide aesthetically pleasing, functional, durable finishes appropriate to the buildings function. Acoustic properties of materials, as well as durability and ease of maintenance, shall be considered during material selection. Maximize the use of sustainable materials.

Color selections require the use of wall and floor finish material accents to enhance the color and appearance of the interior design. Provide a wall and floor color design that includes a minimum of two different accents colors throughout the facility. Submit pattern drawings of the accents design with the interior design submittal.

#### **GENERAL SYSTEMS REQUIREMENTS**

See "Room Requirements" for specific requirements on "Interior Finishes."

#### **C30 SSPC QP 1 CERTIFICATION**

All contractors and subcontractors that perform surface preparation or coating application shall be certified by the Society for Protective Coatings (formerly Steel Structures Painting Council - SSPC) to the requirements of SSPC QP 1 prior to contract award, and shall remain certified while accomplishing any surface preparation or coating application.

#### **C3010 WALL FINISHES**

All interior wall finish materials shall be concrete or concrete masonry or as indicated in the Room Requirements portion of this RFP. Where gypsum board is indicated in the Room Requirement Sheet, provide Level 5 finish.

Showers are to have solid surface pans with full height solid surfacing finish extending from top of shower pan to ceiling and shall surround the shower enclosure. Provide tile wainscot height (48 inch) minimum to full height solid surfacing or ceramic wall finish on the other walls in bathrooms.

#### **MSAU HQ-BEQ**

Provide architectural feature wall features consisting of wainscot in the main circulation spaces such as corridors, lobby and the multi-purposed room. Wood chair rail to be provided in CO, XO and SGT MAJ offices.

All interior wall construction and finishes are indicated in the "Room Requirements" portion of this RFP.

## **C301003 GYPSUM WALLBOARD FINISHES**

All gypsum board panels exposed to view shall have a Level 5 finish.

## **C301004 TILE AND TERRAZZO WALL FINISHES**

Provide ceramic tile wall systems as defined in the Tile Council of America (TCA) handbook for ceramic tile installations suitable for the service requirements listed. Install systems in accordance with ANSI A108/A118 series standards. Bullnose trim shall be provided at open/top cap. Colored epoxy grout shall be provided. Coordinate with ceramic bath accessories for modularity. Include all trim pieces, caps, stops, and returns to complete installation.

## **C301005 CORNER GUARDS**

Corner guards shall be 3/32 inch thick and shall cover 2-1/2 inches (64 mm) each side of corner at right angles. Corner guards shall be through color polycarbonate or rubber. Coordinate material of corner guard with Room Requirements sheets and wall finishes. Use in corridors or other high traffic areas.

## **C301090 OTHER WALL FINISHES**

Provide sheet metal wall guards at janitor sinks.

See Part 4. If protective wall components from paragraphs C301090 – 1.1.1 and 1.1.2 are provided, corner guards shall be from the same lot and color as protective wall components.

## **C3020 FLOOR FINISHES**

Floor finishes shall be as indicated in the "Room Requirements" portion of this RFP and the architectural drawings in Part 6 of this RFP or as follows:

Provide floor finish materials to meet the following requirements;

### **C302001 TILE FLOOR FINISHES**

Provide epoxy grout for all tile finishes

Use slip resistant porcelain floor tiles in baths and toilets. Specify a mottled or shaded tile to hide discoloration from detergents, etc.

### **C302002 TERRAZZO FLOOR FINISHES**

Resinous terrazzo flooring and base shall be a thin-set epoxy-resin terrazzo slab system that conforms to the requirements specified in the NTMA resinous epoxy specification. Provide stainless steel transition strips. Provide 4" H terrazzo base. Provide a min. of three (3) colors for floor pattern. Refer to Part 5 – Prescriptive Specifications, Specification 09 66 23.

### **MSAU HQ-BEQ**

Provide minimum of two (2) logo emblems in the floor with a min. of five (5) inset colors.

### **MCESG ANNEX**

Provide minimum of one (1) logo emblems in the floor with a min. of five (5) inset colors.

## **C302004 RESILIENT FLOOR FINISHES**

Provide resilient floor finish as identified in the Project Program, Room Requirements or as directed below. Include manufacturer's full line of color, texture and pattern selections, including multi-colored materials. Provide non-slip resilient tread on interior stairs.

### **1) Resilient Tile Flooring**

Provide resilient vinyl composition tile (VCT) flooring in areas as indicated requiring flooring with moderate durability high maintenance and low cost VCT shall be commercial grade, with pattern through thickness of tile VCT with biobased materials or recycled content shall be used where practical.

Provide resilient solid vinyl tile, in any other high traffic areas for floors with high durability, low maintenance, and high slip-resistance requirements. Solid vinyl tile shall be planks or square tiles with protective urethane finish for ease of maintenance a manufacturer's 10-year warranty is required.

Provide luxury vinyl plank with wood grain, hospitality look, 4" x 36" size or 6" x 36" size. Minimum of 30 mil wear layer. Heavy-Duty, High-Impact product with protective urethane finish for ease of maintenance a manufacturer's 10-year warranty is required.

Provide resilient rubber tile in elevators and high traffic areas for floors with high durability, low maintenance, and high slip-resistance requirements. Rubber tile shall be 100% synthetic rubber with through color and slip resistant formulation and surface texture. Include all manufacturer's standard surface textures and patterns. The product shall require no-wax maintenance.

Provide resilient static dissipative VCT (SDT) flooring in computer areas or areas with sensitive electronics for floors with high durability, low maintenance, and high slip-resistance requirements to control static in the room. SDT shall be of commercial grade with through pattern and an antistatic additive, and shall be installed according to manufacturer's instructions.

## **C302005 CARPETING**

CARPET CHARACTERISTIC	MINIMUM CARPET REQUIREMENTS
Surface Color	Multi-colored and Patterned
Surface Texture	Multi-Level Pattern Loop
Yarn Weight	Min. 32 oz. minimum for Type 6 Nylon; 18 oz. minimum for Type 6.6 Nylon
Density	7814 oz./cubic yard minimum for Type 6 Nylon; 6000 oz./cubic yard minimum for Type 6.6 Nylon
Dye Method	100% Solution Dyed

Backing	Standard high performance backing, Moisture resistant
Fiber	100% Branded nylon
Texture Appearance Retention Rating (TARR)	> 3.5 TARR
Static Control	Carpet shall include a permanent static control system to control static build-up to less than 3.5 KV

## **C302007 WALL BASE FINISHES**

Provide a wall base for transition between floor and wall finish. If no other type of base is required, provide FloorScore Certified rubber or vinyl straight base at carpet installations, FloorScore Certified rubber or vinyl cove base at exposed concrete or resilient tile floors. For porcelain or ceramic tile, use matching base molding. Accent base molding shall be provided in building and elevator lobbies.

### **MSAU HQ-BEQ**

Wood base provided in command suite locations.

All interior floor finishes are indicated in the "Room Requirements" portion of this RFP.

## **C302008 STAIR FINISHES**

Provide a self-leveling, high traffic, slip resistant, color epoxy or urethane material with emphasis on slip resistant with integral grit/sand or broadcast grit floor coating system for the stair landings and risers.

Provide metal non-slip nosing or treads; or structural metal cast or extruded non-slip treads.

Provide treads with raised patterns and visually impaired nosing inserts as required.

## **C302010 HARDENERS AND SEALERS**

Finish concrete surface smooth enough to meet the minimum requirements of this RFP or the floor finish manufacturer's smoothness requirements, whichever is the most restrictive. Exposed concrete floors that are not required to have an applied floor finish, shall receive a minimum of three (3) coats of the manufacturer's approved sealer.

## **C302011 ACCESS FLOOR**

Raised flooring shall be interchangeable 24" x 24" square module panels capable of support design loads. Finish to be laminate. Raised flooring shall accommodate data electrical systems. Majority of raised flooring components to be available on GSA Schedule.

## **C3030 CEILING FINISHES**

Finished surface of ceiling tiles shall be selected to address acoustical, maintenance, moisture or impact resistance requirements of the room.

Ceiling finishes shall be as indicated in the "Room Requirements" Room Finish Schedule portion of this RFP.

### **C303001 ACOUSTICAL CEILING TILES AND PANELS**

Ceiling finish shall be 24 inch by 24 inch by 3/4 inch minimum thickness suspended acoustical panel ceiling system, except provide a suspended gypsum board ceiling or bulkheads where required by "Room Requirements" finish portion of this RFP. Acoustical panels shall have a tegular edge.

### **C303002 GYPSUM WALLBOARD CEILING FINISHES**

Provide asbestos free materials only. Provide Type X gypsum board in fire rated assemblies. Where gypsum board is indicated in the Room Requirement Sheet, provide Level 5 finish.

### **C303005 SUSPENSION SYSTEMS**

Grid System shall be aluminum or steel non-corroding intermediate-duty standard grid system for lay-in acoustical panels with a factory applied white baked enamel.

### **C3040 INTERIOR COATINGS AND SPECIAL FINISHES**

Paint all interior exposed surfaces including metal items not pre-finished, such as interior grilles, registers, diffusers, access panels, and panel boxes.

Provide special high performance architectural and impact resistant coatings at high traffic areas and rooms where there is high humidity.

Provide the Government with an additional 5% of the installed quantity of every type of coating and special finish for replacement and maintenance purposes.

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